

DT07 Rec'd PCT/PTO 0 1 JUL 2004

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| FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371 | | 7037-69151-01 |
| | | U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) |
| | | Not yet assigned 10/500696 |
| INTERNATIONAL APPLICATION NO. PCT/KR03/00231 | INTERNATIONAL FILING DATE 30 January 2003 | PRIORITY DATE CLAIMED 1 February 2002 |
| TITLE OF INVENTION NOVEL ANTI-VIRAL VSF PROTEIN AND HYBRIDOMA PRODUCING THE SAME | | |
| APPLICANT(S) FOR DO/EO/US Yoon-Won Kim, Young-Jin Kim, Yo-Han Choi, Jee-Yin Ahn, Soo-Dong Woo, Song-Woo Sin, Min-Kee Cho, Young-Hwan Byun and Jeung-Yul Kang | | |

Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. § 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. § 371.
3. This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. § 371(c)(2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. A translation of the International Application into English (35 U.S.C. § 371(c)(2)).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).
10. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 is included.
13. A **FIRST** preliminary amendment.
 - A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. A substitute specification.
15. A change of power of attorney and/or address letter.
16. Other items or information:
 - Abstract on a separate page.
 - Electronic copy of Sequence Listing on diskette.
 - Paper copy of Sequence Listing, 23 pages
 - International Search Report.
 - Copies of References Cited.

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| U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) | | INTERNATIONAL APPLICATION NO. | ATTORNEY'S DOCKET NUMBER |
| Not yet assigned 107500696 | | PCT/KR03/00231 | 7037-69151-01 |
| 17. <input checked="" type="checkbox"/> The following fees are submitted: | | CALCULATIONS (PTO USE ONLY) | |
| BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)): | | | |
| Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,080.00 | | | |
| International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00 | | | |
| International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority \$770.00 | | | |
| International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 | | | |
| International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 | | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 1,080.00 | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)). | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE |
| Total claims | 12 - 20 = | 0 | x \$18.00 |
| Independent Claims | 5 - 3 = | 2 | x \$86.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | + \$290.00 | |
| TOTAL OF ABOVE CALCULATIONS = \$ 1,252.00 | | | |
| <input checked="" type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application. | | | |
| SUBTOTAL = \$ 626.00 | | | |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)). | | | |
| TOTAL NATIONAL FEE = \$ 626.00 | | | |
| Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property. | | | |
| TOTAL FEES ENCLOSED = \$ 666.00 | | | |
| <input type="checkbox"/> REFUND → \$ | | | |
| <input type="checkbox"/> CHARGE → \$ | | | |

a. A check in the amount of \$ 666.00 to cover the above fees is enclosed.

b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.

d. Please return the enclosed postcard to confirm that the items listed above have been received.

NOTE: Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

KLARQUIST SPARKMAN, LLP
One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, OR 97204-2988


SIGNATURE
Gillian L. Bunker, Ph.D.
NAME

REGISTRATION NUMBER

cc: Docketing